

Re: can generic_make_request in 2.4 kernel sleep?

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To: Ming Zhang <mingz@ele.uri.edu>

On Sat, Feb 28 2004, Ming Zhang wrote:

> *Hi, I have a quick question.*

>

> *In 2.4 kernel, can generic_make_request sleep?*

yes

> *I read the 2.4.24 kernel and find that there is printk in it. so i*

> *assume it can sleep. if so, why the per queue make_request_fn can not*

> *sleep base on the LDD book? and i do not see any place that the*

> *io_request_lock is held. is this lock removed from system? or we do not*

> *need this lock at this place any more?*

>

> *and in md code, it use blk_queue_make_request to use its own request_fn*

> *instead a queue, for example, in raid1_make_request(), it calls*

> *raid1_alloc_rlch() which also call schedule() if need, then this own*

> *request_fn can sleep?*

>

> *i think i am little confused about the LDD (linux device driver 2nd)*

> *book and the new kernel code. can anybody point out some latest*

> *reference for me?*

→make_request_fn() is not entered with the queue/io_request_lock. It can sleep, it's not recommended since on writeout you are blocking kswapd/bdflush.

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Jens Axboe

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